

APNIC Update

ARIN XXVI

6-8 October 2010

Geoff Huston

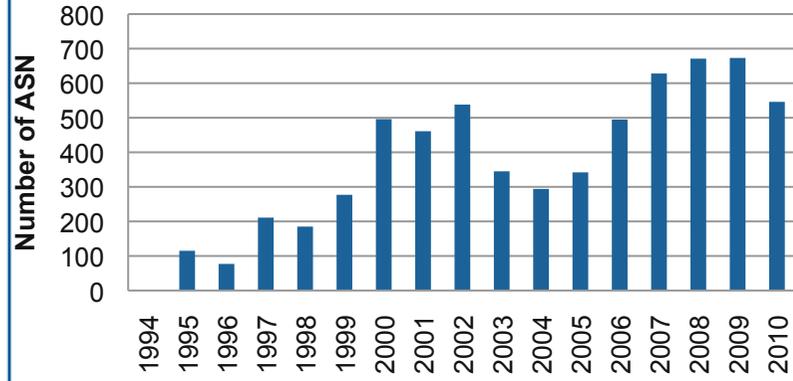
Chief Scientist, APNIC

Overview

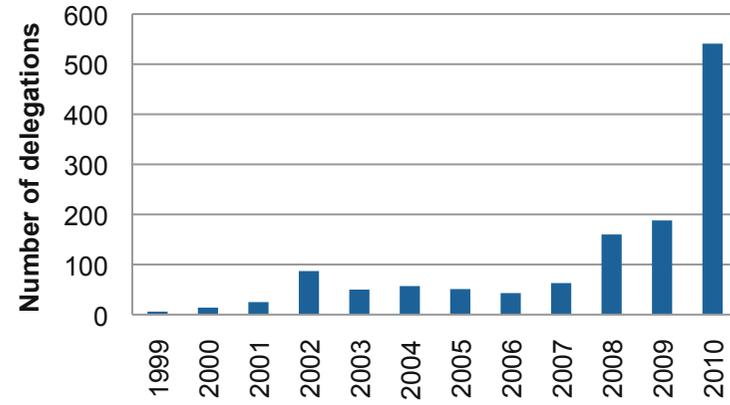
- Services update
- APNIC policy updates
- APNIC activities
 - R&D
 - Technical Developments
 - IPv6 Program
 - Training
 - Internet Governance
- Other news
- Upcoming Meetings

Resource Delegations

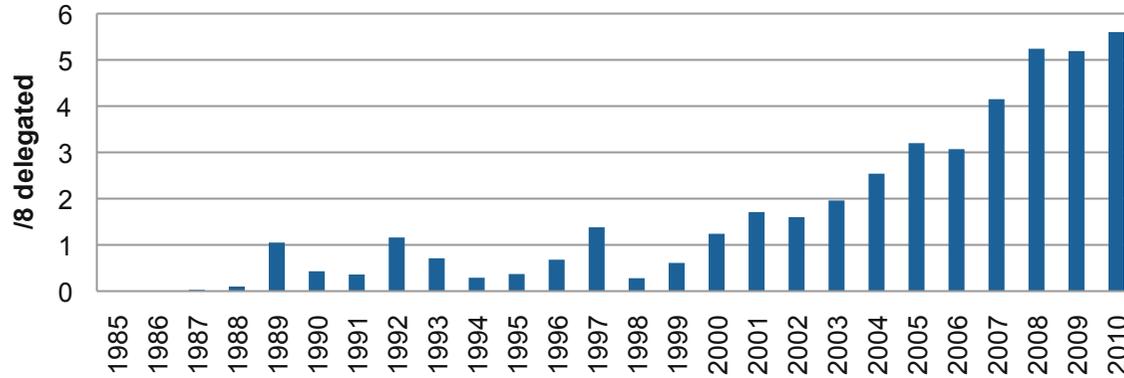
ASN



IPv6



IPv4



Resource Services

- IPv4 requests still strong
 - Mobile, wireless, ADSL networks
 - Growth economies: CN, KR, JP, IN, VN
- Very high IPv6 take up
 - 541 delegations in 2010 so far (188 in 2009)
- Resource Quality Assurance
 - APNIC tests all IANA allocations prior to distribution
 - Outreach to network operators to remove outdated filters
 - 49.0.0.0/8 and 101.0.0.0/8 tested and deployed

Member Services

- **Membership** total: 2,428
- New Members in 2010: 332
- Total MyAPNIC users: 3,180
- Top 5 helpdesk service requests in the last 6 months:
 - Reverse DNS registration
 - How to make assignment records
 - Whois record updates
 - MyAPNIC access
 - Contact person changes

APNIC Policy Updates

Proposal	Title	Overview
Prop-079 Implement November 2010	Abuse contact information	This is a proposal to introduce a mandatory abuse contact field for objects in the APNIC Whois Database to provide a more efficient way for abuse reports to reach the correct network contact.
Prop-080 Implemented 5 July 2010	Removal of IPv4 prefix exchange policy	This is a proposal to remove the policy that currently permits resource holders to return three or more noncontiguous IPv4 address blocks and have the prefixes replaced with a single, larger, contiguous block.
Prop-082 Implemented 5 July 2010	Removing aggregation criteria for IPv6 initial allocations	This is a proposal to remove the aggregation requirement from the IPv6 initial allocation policy.

No policy proposals reached consensus during APNIC 30

<http://www.apnic.net/policy/proposals>

Research and Development

- Routing research
- RPKI (joint with other RIRs/NRO)
- DNS service dynamics
- DNSSEC implementation
- Expanded network measurement/
monitoring
 - Test Traffic Measurement (TTM)
 - ‘Day In the Life of the Internet’ (DITL)
 - 3.4Tb of data collected over 3 days in 2010

Research and Development

- IPv6 uptake measurements
 - Web metrics (collaborating with RIPE NCC)
 - DNS metrics
- Global RPKI system by 1 January 2011
 - In conjunction with the NRO ECG
 - Sharing source code and expertise with AfriNIC

Technical Developments

- New co-location facility in 'triangle architecture' for reliability and DRP
- DNSSEC running smoothly since April
- Implementing Agile software development methodologies



IPv6 Program Update

- APNIC now serves as the new Secretariat for the Asia Pacific IPv6 Task Force (APIIPv6TF)
- APNIC worked closely with APEC TEL WG on two IPv6 workshops this year
 - Workshop on IPv6: Transforming the Internet, APEC TEL 41, Taipei, Taiwan
 - Workshop on IPv6: Securing sustainable growth of the Internet, APEC TEL 42, Bandar Seri Begawan, Brunei Darussalam

Training and Education

- eLearning Interactive
 - Successfully offering two sub-regional training courses per month:
 - 18 eLearning web classes
 - 245 attendees



Flexible
Free
Accessible



Internet Governance

- APNIC was one of the main organizers and sponsors of the first Asia Pacific IGF in Hong Kong.
- APNIC co-hosted remote hubs in the Asia Pacific region in support of the IGF in Lithuania
 - Dhaka Bangladesh
 - Manila Philippines
 - Hong Kong SAR China
 - Jakarta Indonesia

New Building

- Lower operating costs
- Size and location suits APNIC's future needs



[Google Map Location](#)

Next APNIC Meeting



APNIC 31

21 - 25 February 2011
Hong Kong SAR, China

APNIC 31 / APRICOT 2011

February 21 – 25

Hong Kong SAR, China

<http://meeting.apnic.net/31>

More APNIC Meetings..

- APNIC 32
 - 29 August – 2 September
 - Busan, South Korea
- APNIC 33 and APRICOT 2012
 - 22 February – 3 March
 - Delhi, India

Thank You

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